

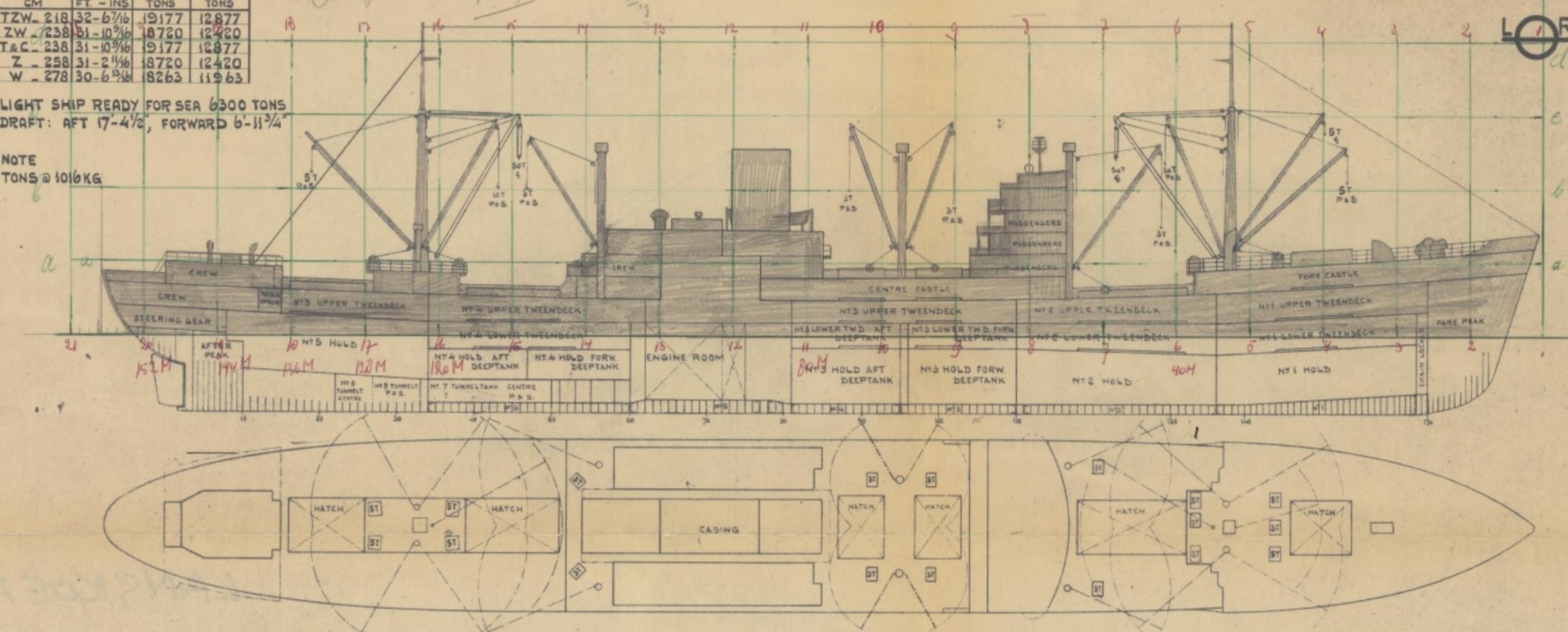


ALTERATIONS  
HEAVY OIL IN №2  
D.B.TANK SEP '5

| DISPLACEMENT AND DEADW. |                                    |                |                |
|-------------------------|------------------------------------|----------------|----------------|
| FREEBOARD<br>CM         | DRAFT<br>FT. - INS.                | DISPL.<br>TONS | DEADW.<br>TONS |
| TZW - 218               | 32-6 <sup>7</sup> / <sub>16</sub>  | 19177          | 12877          |
| ZW - 238                | 31-10 <sup>9</sup> / <sub>16</sub> | 18720          | 12420          |
| T & C - 238             | 31-10 <sup>9</sup> / <sub>16</sub> | 19177          | 12877          |
| Z - 258                 | 31-2 <sup>11</sup> / <sub>16</sub> | 18720          | 12420          |
| W - 278                 | 30-6 <sup>15</sup> / <sub>16</sub> | 18263          | 11963          |

LIGHT SHIP READY FOR SEA 6300 TONS  
DRAFT: AFT 17'-4 $\frac{1}{2}$ ", FORWARD 6'-11 $\frac{3}{4}$ "

NOTE  
TONS @ 1016K



| PARTICULARS            |  |         |          |        |
|------------------------|--|---------|----------|--------|
| SIGNAL LETTERS         | PFNH   |         |          |        |
| REG TON INTERNATIONAL  | GROSS  | 9383.64 | NET      | 5584.5 |
| PANAMA CANAL           | "  | 1025673 | "        | 7501.7 |
| SUEZ CANAL             | "  | 1028406 | "        | 7741.0 |
| LENGTH OVERALL         | 156.87   | M       | 514 - 74 |        |
| BETWEEN P.P.           | 145.094  |         | 476 - 03 |        |
| BREADTH Moulded        | 19.050   |         | 62 - 6   |        |
| EXTREME                | 19.12  |         | 62 - 84  |        |
| DEPTH MLD TO UPPERDECK | 12.063   |         | 39 - 6   |        |
| FREEBOARD DEPTH        | 12.098   |         | 39 - 65  |        |
| MASTRUCK ABOVE KEEL    | 43.100   |         | 141 - 47 |        |
| CLASSIFICATION SOCIETY | LLOYD'S REGISTER   |         |          |        |
| BUILT BY               | PSMIT J <sup>E</sup> SHIPBUILDING AND<br>ENGINE WORKS ROTTERDAM 1949             |         |          |        |
| MACHINERY              | 2 SULZER MOTORS SINGLE-ACTING<br>TWO-STROKE 6.720 x 125<br>EACH 4200 S.H.P. 1250 |         |          |        |
|                        | 3 DYNAMO'S 220V 225 KW EACH  |         |          |        |
| EXPOSED DECK           | 2 PROP. 3 BLADES DIA. 4.670 M. 15-37   |         |          |        |
| NUMBER OF PASSENGERS   | WOOD   |         |          |        |
| FIRE EXTINGUISHING     | 26   |         |          |        |

| HATCHWAYS               |               |         |                   |        |        |    |
|-------------------------|---------------|---------|-------------------|--------|--------|----|
| CORRESP<br>COMPARTMENT  | CLEAR OPENING |         | CLEARANCE AT SIDE |        |        | FW |
|                         | LENGTH        | BREATH  | AFT               | VAL    | LENGTH |    |
| FORE CASTLE             | 21'-2"        | 18'-5"  | 6'-0"             | 6'-1"  | 6'-1"  | 6  |
| N <sup>o</sup> 1 U.T.D. | 21'-6"        | 18'-5"  | 9'-1"             | 8'-11" | 8'-11" | 8  |
| - 1 LTD.                | 26'-3"        | 18'-5"  | 9'-4"             | 9'-4"  | 9'-4"  | 5  |
| - 1 HOLD                | 21'-6"        | 18'-5"  | -                 | -      | -      |    |
| - 2 U.T.D.              | 37'-6"        | 18'-9"  | 7'-6"             | 8'-1"  | 8'-1"  | 8  |
| - 2 LTD.                | 37'-6"        | 18'-9"  | 6'-11"            | 7'-6"  | 7'-6"  | 8  |
| - 2 HOLD                | 37'-0"        | 18'-9"  | -                 | -      | -      |    |
| CC FW                   | 15'-9"        | 22'-0"  | 6'-6"             | 6'-6"  | 6'-6"  | 6  |
| N <sup>o</sup> 3 U.T.D. | 15'-6"        | 22'-0"  | 6'-2"             | -      | -      | 6  |
| - 3 LTD. - P            | 16'-0"        | 9'-10"  | 6'-9"             | 6'-9"  | 6'-9"  | 6  |
| - 3 - - S               | 16'-0"        | 9'-10"  | 6'-9"             | 6'-9"  | 6'-9"  | 6  |
| - 3 HOLD - P            | 16'-0"        | 9'-10"  | -                 | -      | -      |    |
| " 3 - - S               | 16'-0"        | 9'-10"  | -                 | -      | -      |    |
| CC AFT                  | 15'-9"        | 22'-0"  | 6'-6"             | 6'-6"  | 6'-6"  | 6  |
| N <sup>o</sup> 3 U.T.D. | 15'-6"        | 22'-0"  | 6'-1"             | 6'-1"  | 6'-1"  | 6  |
| - 3 LTD. - P            | 16'-0"        | 9'-10"  | 6'-9"             | 6'-9"  | 6'-9"  | 6  |
| - 3 - - S               | 16'-0"        | 9'-10"  | 6'-9"             | 6'-9"  | 6'-9"  | 6  |
| - 3 HOLD. P             | 16'-0"        | 9'-10"  | -                 | -      | -      |    |
| - 3 - - S               | 16'-0"        | 9'-10"  | -                 | -      | -      |    |
| - 4 U.T.D.              | 31'-9"        | 18'-0"  | 8'-3"             | 8'-0"  | 8'-0"  | 7  |
| - 4 LTD.                | 32'-0"        | 17'-10" | 6'-6"             | 6'-6"  | 6'-6"  | 6  |
| - 4 H. FW. P.           | 16'-2"        | 8'-6"   | 8'-5"             | 8'-5"  | 8'-5"  | 8  |
| - 4 - - S               | 16'-2"        | 8'-6"   | 8'-5"             | 8'-5"  | 8'-5"  | 8  |
| - 4 - AFT P             | 16'-2"        | 8'-6"   | 8'-6"             | 8'-6"  | 8'-6"  | 8  |
| - 4 - - S               | 16'-2"        | 8'-6"   | 8'-6"             | 8'-6"  | 8'-6"  | 8  |
| - 5 U.T.D.              | 26'-3"        | 18'-5"  | 7'-0"             | 7'-3"  | 7'-3"  | 7  |

| CARGO CAPACITY<br>COMPARTMENT  |              | BALE<br>CU.FT. | GRAIN |
|--------------------------------|--------------|----------------|-------|
| NO 1 HOLD                      |              | 33245          |       |
| 1 LOWER TWEENDECK              |              | 25160          |       |
| 1 UPPER                        | "            | 27270          |       |
| FORE CASTLE                    |              | 15676          |       |
| NO 2 HOLD                      |              | 64714          |       |
| 2 LOWER TWEENDECK              |              | 37746          |       |
| 2 UPPER                        | "            | 37180          |       |
| 3 HOLD                         | FORW. DEEPT  | P              | 18237 |
| 3                              | "            | S              | 18237 |
| 3 LOWER T.W.D.                 | "            | P              | 8233  |
| 3                              | "            | S              | 8233  |
| 3 HOLD                         | AFT          | P              | 17948 |
| 3                              | "            | S              | 17948 |
| 3 LOWER T.W.D.                 | "            | P              | 8454  |
| 3                              | "            | S              | 8454  |
| 3 UPPER TWEENDECK              |              | 37296          |       |
| CENTRE CASTLE                  |              | 48409          |       |
| NO 4 HOLD FORW.                | DEEPT.       | P              | 9142  |
| 4                              | "            | S              | 9142  |
| 4                              | AFT          | P              | 8390  |
| 4                              | "            | S              | 8390  |
| 4 LOWER TWEENDECK              |              | 33363          |       |
| 4 UPPER                        | "            | 24053          |       |
| 5 HOLD                         |              | 46633          |       |
| 5 UPPER TWEENDECK              |              | 21422          |       |
|                                |              | 592975         |       |
| POWDER ROOM IN NO 2 U.T.D. FWD |              | 1572           |       |
|                                | S            | 2248           |       |
| PARCEL                         | A            | 3724           |       |
| MAIL                           |              | 560            |       |
| SPECIE                         |              | 260            |       |
| LUGGAGE                        |              | 1097           |       |
| COOLING                        | 2°C          | 2000           |       |
| FREEZING                       | -10 TO -20°C | 1000           |       |

| TANK CAPACITY (IN M <sup>3</sup> ) |            |                  |                |              |               |             |
|------------------------------------|------------|------------------|----------------|--------------|---------------|-------------|
| COMPARTMENT                        | FRAME NO   | WATER<br>BALLAST | FRESH<br>WATER | HEAVY<br>OIL | DIESEL<br>OIL | LUBR<br>OIL |
| FORE PEAK                          | 170 - FW.  | 253,0            |                |              |               |             |
| N° 1 D.B. TANK                     | P + S      | 136-168          | 207,8          |              |               |             |
| - 2 -                              | P + S      | 111-136          |                | 296,8        |               |             |
| - 3 -                              | P + S      | 95-110           | 222,6          |              |               |             |
| - 4 -                              | P + S      | 81-95            |                | 209,4        |               |             |
| - 5 -                              | P + S      | 60-77            |                |              | 232,6         |             |
| - 6 -                              |            | 34-60            |                | 128,4        |               |             |
| - 7 TUNN                           | CENTRE     | 34-50            |                | 112,-        |               |             |
| - 7 -                              | P + S      | 34-60            |                | 551,6        |               |             |
| - 8 -                              | (COMBINED) | 22-33            | 106,1          |              |               |             |
| D.B. TANK                          | P + S      | 78-80            |                |              |               | 37,2        |
| - -                                | P + S      | 73-78            |                |              |               | 45,2        |
| TUNNEL TANK                        |            | 55-58            |                |              |               | 18,1        |
| - -                                |            | 53-55            |                |              |               | 12,3        |
| - -                                |            | 51-53            |                |              |               | 12,7        |
| BUNKER                             | P + S      | 62-72            |                | 317,8        |               |             |
| OVERFLOW                           | S.         | 72-75            |                | 48,9         |               |             |
| SETTLING TANK                      | P          | 72-75            |                | 48,9         |               |             |
| AFTER PEAK                         | FEEDWATER  | 10-AFT           | 100,7          |              |               |             |
| N° 3 HOLD FORW DEEPT.              | P          | 96-110           | 577700         |              |               |             |
| - 3 -                              | S.         | 96-110           | 577700         |              |               |             |
| - 3 LTD.                           | P          | 96-110           | 288481         |              |               |             |
| - 3 -                              | S.         | 96-110           | 288481         |              |               |             |
| - 3 HOLD AFT                       | P          | 81-95            | 579877         |              |               |             |
| - 3 -                              | S.         | 81-95            | 579877         |              |               |             |
| - 3 LTD.                           | P          | 81-95            | 288189         |              |               |             |
| - 3 -                              | S.         | 81-95            | 288189         |              |               |             |
| - 4 HOLD FORW                      | P          | 47-60            | 321646         |              |               |             |
| - 4 -                              | S.         | 47-60            | 321646         |              |               |             |
| - 4 - AFT                          | P          | 34-47            | 290617         |              |               |             |
| - 4 -                              | S.         | 34-47            | 290617         |              |               |             |
| TOTAL                              |            | 5576,4           | 416,2          | 1504,4       | 232,6         | 125,5       |

N° 7 TUNNELTANK CENTRE IS PURIFIED HEAVY OIL

ROYAL ROTTERDAM LLOYD  
LANGKOEAS  
CAPACITYPLAN

SCALE 1:400

TS 9000-02